

LDHA Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70259
Synonyms:	rMuL-lactate dehydrogenase, His; LDHA; Ldh1; L-lactate dehydrogenase
Species:	Mouse
Source:	HEK293
Accession:	P06151 (M1-F332)
Gene ID:	16828
Molecular Weight:	Approximately 35.0 kDa

PROPERTIES

AA Sequence

MATLKDQLIV	NLLKEEQAPQ	NKITVVGVA	VGMACAISIL
MKDLADELAL	VDVMEDKLLG	EMMDLQHGS	FLKTPKIVSS
KDYCVTANSK	LVIITAGARQ	QEGESRLNLV	QRNVNIFKFI
IPNIVKYSPH	CKLLIVSNPV	DILTYVAWKI	SGFPKNRVIG
SGCNLDSARF	RYLMGERLGV	HALSCHGWVL	GEHGDSSVPV
WSGVNVAGVS	LKSLNPELGT	DADKEQWKEV	HKQVVDSAYE
VIKLKGYSW	AIGLSVADLA	ESIMKNLRRV	HPISTMIKGL
YGINEDVFLS	VPCILGQNGI	SDVVKVTLTP	EEEARLKKSA
DTLWGIQKEL	QF		

Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance

Solution.

Formulation

Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 50%Glycerol, 500 mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1 mM EDTA, pH 9.0.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

N/A

Storage & Stability

Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION

Background

LDHA Protein, an isoform of lactate dehydrogenase, plays a critical role in cellular metabolism. It catalyzes the conversion of

pyruvate to lactate, generating energy under anaerobic conditions. Understanding the functions of LDHA Protein is essential for studying metabolic disorders and developing therapeutic strategies targeting altered metabolism in cancer and other diseases.

Caution: Product has not been fully validated for medical applications. For research use only.

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